

AMENDMENTS TO THE CLAIMS

The following Listing of Claims replaces all prior versions and listings of claims in the present application.

Listing of Claims:

1. (Withdrawn) Input device for the activation and control of functions at least one apparatus of a dentist's or dental treatment station/work station, the input device comprising:

- a first input element for the generation of navigation information for the control of a pointer on a user interface, which is represented on a display of the dentist's treatment station,

- at least a second input element for the generation of control information, with which, independently of the navigation information generated by the first input element, functions of the apparatuses are selectable and/or activatable,

- a transfer device for the wireless transfer of the navigation and control information generated with the aid of the first and second input elements to the apparatuses or to a functional unit connected upstream of the apparatuses,

wherein the control information generated via the second input element is useable for control of at least one apparatus independently of the unit administering the user interface.

2. (Withdrawn) Input device according to claim 1, wherein the first input element comprises a navigation element for the generation of two-dimensional navigation information, and at least two selection keys for the generation of supplementary selection information.

3. (Withdrawn) Input device according to claim 2, wherein the navigation element is a joystick.

4. (Withdrawn) Input device according to claim 3, wherein for the generation of an additional item of selection information, the joystick can be pressed down.

5. (Withdrawn) Input device according to claim 2, comprising a common interface for passing on the information generated by the navigation element and the selection keys in a navigation mode.

6. (Withdrawn) Input device according to claim 5, wherein in the navigation mode, the common interface is a UART interface.

7. (Withdrawn) Input device according to claim 2, wherein in a menu mode, the function of the navigation element is blocked, and only selection information can be generated with the aid of the selection keys.

8. (Withdrawn) Input device according to claim 7, wherein the first input element comprises two additional selection keys for the generation of further selection information in the menu mode.

9. (Withdrawn) Input device according to claim 1, wherein the second input element is formed by a function key field having a plurality of function keys.

10. (Withdrawn) Input device according to claim 9, wherein a part of the function keys is provided for the control of an interface unit for the selective transfer of video and/or audio signals.

11. (Withdrawn) Input device according to claim 9, wherein a part of the function keys is provided for the selection of a video source provided for representation on a display.

12. (Withdrawn) Input device according to claim 9, wherein a part of the function keys is provided for selection of an image signal, provided for representation on a display, corresponding to a PC graphic standard.

13. (Currently Amended) Dentist's or dental treatment station/work station, comprising

- plural dental work apparatuses and/or examination apparatuses,
- an input device for the generation and wireless transfer of navigation and/or control information for the activation and control of functions of the apparatuses and

- a functional unit, connected upstream of the apparatuses, which receives the navigation and/or control information transferred from the input device and passes this onto the apparatuses,

wherein the input device generates navigation information for the control of a pointer on a user interface, which user interface is represented on a display of the dentist's treatment station, and control information with which functions of the apparatuses are selectable and/or activatable independently of the navigation information.

14. (Withdrawn) Dentist's or dental treatment/work station according to claim 13, wherein the functional unit passes on the navigation and/or control information transferred from the input device to the apparatuses at least partially in a wireless manner.

15. (Withdrawn) Dentist's or dental treatment/work station according to claim 14, wherein the functional unit comprises a master module for wireless communication with the apparatuses, whereby in each case a slave module is associated with the apparatuses, which slave module passes on the information received from the master module to the associated apparatus.

16. (Withdrawn) Dentist's or dental treatment/work station according to claim 15, wherein the slave modules are integrated in the respective apparatuses or connected with these via a RS232 interface and/or a PC interface.

17. (Canceled)

18. (Currently Amended) Dentist's or dental treatment/work station according to claim ~~[[17]]~~ 13, ~~wherein the input device comprising the activation and control of functions at least one apparatus of the treatment station/work station, the input device comprising~~ comprises:

- a first input element for the generation of navigation information for the control of a pointer on a the user interface, ~~which is represented on a display of the dentist's treatment station,~~

- at least a second input element for the generation of control information, with which, independently of the navigation information generated by the first input element, functions of the apparatuses are selectable and/or activatable, and

- a transfer device for the wireless transfer of the navigation and control information generated with the aid of the first and second input elements to the apparatuses or to a functional unit connected upstream of the apparatuses,

wherein the control information generated via the second input element is useable for control of at least one apparatus independently of ~~the unit administering~~ the user interface.

19. (Withdrawn) Dentist's or dental treatment/work station according to claim 13, wherein the functional unit further stands in connection with a server, whereby a data exchange between the server and the apparatuses takes place via the functional unit.

20. (Withdrawn) Dentist's or dental treatment/work station according to claim 18, wherein the functional unit is connected with the server via a USB interface.

21. (Withdrawn) Dentist's or dental treatment/work station according to claim 13, wherein at least one of the apparatuses controlled by the functional unit is an interface unit comprising:

- at least two inputs for receiving input signals containing image information,
- at least two outputs for the passing on of output signals containing image information to one or more displays connectable with the interface unit and/or to further interface units, and
- at least one internal transfer unit for selective passing on of the input signals containing image information to the outputs.

22. (Withdrawn) Dentist's or dental treatment/work station according to claim 21, wherein at least one input signal is a video signal.

23. (Withdrawn) Dentist's or dental treatment/work station according to claim 22, wherein the interface unit comprises at least two inputs and two outputs for video signals and a first transfer unit, via which the video input signals are selectively passed onto the outputs.

24. (Withdrawn) Dentist's or dental treatment/work station according to claim 23, wherein the interface unit has an internal processing unit for the transformation or processing of analog video signals, whereby the processing unit has on the input side a first transformation block for the transformation of the analog video signal into a digital signal.

25. (Withdrawn) Dentist's or dental treatment/work station according to claim 24, wherein the digital signal produced by the first transformation block is deliverable to a processing block for digital processing of the video signal.

26. (Withdrawn) Dentist's or dental treatment/work station according to claim 24, wherein the digital signal produced by the first transformation block and, if applicable, processed by the processing block, is selectively deliverable to the first transfer unit or to at least one further transformation unit for the generation of a signal corresponding to a PC graphic standard.

27. (Withdrawn) Dentist's or dental treatment/work station according to claim 26, wherein the second transformation unit produces a video signal corresponding to the VGA standard.

28 (Withdrawn) Dentist's or dental treatment/work station according to claim 27, wherein the digital signal produced by the first transformation block and, if applicable, processed by the processing block, is deliverable to a third transformation unit for the generation of an output signal corresponding to the DVI standard.

29. (Withdrawn) Dentist's or dental treatment/work station according to claim 21, wherein at least one input signal is a signal corresponding to a PC graphic standard.

30. (Withdrawn) Dentist's or dental treatment/work station according to claim 29, wherein the interface unit comprising at least two inputs and two outputs for signals corresponding to the PC graphic standard, and a second transfer unit via which the signals are selectively passed on to the outputs.

31. (Withdrawn) Dentist's or dental treatment/work station according to claim 29, wherein the signals corresponding to the PC graphic standard are VGA signals.

32. (Withdrawn) Dentist's or dental treatment/work station according to claim 21, wherein the interface unit comprises at least two inputs and outputs for audio signals, which in each case are associated with the inputs and outputs for signals containing image information, and an audio transfer unit via which the audio signals at the inputs are passed on corresponding to the passing on of the signals containing image information to the associated outputs.